

Fig. 1**SEQ ID NO: 1**

AGGAAGCCTCAAGACGCCGGAGCAGCGGAGGAGCAGGAGCCCCCGGCAGC
CCGGAGGAGCATGGGCACCTTGCAGGGATTACAGTACGCGCTCCAGGA
GAAGATCGAGGGAGCTGAGGCAGCGGGATGCTCTCATCGACGAGCTGGA
GCTGGAGTTGGATCAGAAGGACGAACGTGATCCAGAAGCTGCAGAACGA
GCTGGACAAGTACCGCTCGGTGATCCGACCAGCCACCCAGCAGGCGCA
GAAGCAGAGCGCGAGCACCTGCAGGGCGAGCCCGCAGCACCAAGCGGCA
GGCGATCTCCGCCAGGCCACCGCCTCGACATCCAGGATCTCAGCCA
TGTGACCCTGCCCTCTACCCCAAGAGCCCACAGTCCAAGGATCTTAT
AAAGGAAGCTATCCTTGACAATGACTTATGAAGAACTTGGAGCTGTC
GCAGATCCAGGAGATTGTGGATTGTATGTACCCGGTGGAGTATGGCAA
GGACAGTTGCATCATCAAAGAAGGAGACGTGGGTCACTGGTGTATGT
CATGGAAGATGGTAAGGTTGAAGTTACAAAAGAAGGTGTGAAGTTGTG
TACCATGGGTCCAGGAAAAGTGTGGGGATTGGCTATTCTTACAA
CTGTACCCGGACAGCGACCGTCAAGACTCTGTAAATGTAAAACCTG
GGCCATTGATCGACAATGTTCAAACAATAATGATGAGGACAGGACT
CATCAAGCATAACCGAGTATATGGAATTAAAAGCGTTCCAACATT
CCAGAGCCTCCTGAAGAGATCCTCAGCAAGCTGCTGATGTCCTTGA
AGAGACCCACTATGAAAATGGAGAATATATTATCAGGCAAGGTGCAAG
AGGGGACACCTTATTATCAGCAAAGGAACGGTAAATGTCACCTG
TGAAGACTCACCGAGTGAAGACCCAGTCTTCTAGAACTTTAGGAAA
AGGAGACTGGTTGGAGAGAAAGCCTGCAGGGGGAGATGTGAGAAC
AGCAAACGTAATTGCTGCAGAAGCTGTAACCTGCCTGTGATTGACAG
AGACTCTTTAACATTGATTGGAGGGCTGGATGATGTTCTAATAA
AGCATATGAAGATGCAGAAGCTAAAGCAAAATATGAAGCTGAAGCGGC
TTTCTCGCCAACCTGAAGCTGTCTGATTTCAACATCATTGATACCCCT
TGGAGTTGGAGGTTCGGACGAGTAGAACTGGTCCAGTTGAAAAGTGA
AGAATCCAAAACGTTGCAATGAAGATTCTCAAGAACGTCACATTGT
GGACACAAAGACAGCAGGAGCACATCCGCTCAGAGAACGAGATCATGCA

Fig. 1 (continued)

GGGGGCTCATTCCGATTCATAGTGAGACTGTACAGAACATTAAAGGA
CAGCAAATATTGTATATGTTGATGGAAGCTTGTCTAGGTGGAGAGCT
CTGGACCATTCTCAGGGATAGAGGTTCGTTGAAGAGATTCTACAACCAG
ATTTTACACAGCATGTGTGGTAGAAGCTTTGCCTATCTGCATTCAA
AGGAATCATTACAGGGACCTCAAGCCAGAAAATCTCATCCTAGATCA
CCGAGGTTATGCCAAACTGGTTGATTTGGCTTGCAAAGAAAATAGG
ATTTGGAAAGAAAACATGGACTTTGTGGACTCCAGAGTATGTAGC
CCCAGAGATCATCCTGAACAAAGGCCATGACATTCAGCCGACTACTG
GTCACTGGGAATCCTAATGTATGAACACTCCTGACTGGCAGCCCACCTT
CTCAGGCCAGATCCTATGAAAACCTATAACATCATATTGAGGGGGAT
TGACATGATAGAATTCCAAAGAAGATTGCCAAAATGCTGCTAATTT
AATTAAAAAAACTATGCAGGGACAATCCATCAGAAAGATTAGGGAAATTT
GAAAAAATGGAGTAAAAGACATTCAAAAGCACAAATGGTTGAGGGCTT
TAACTGGGAAGGCTTAAGAAAAGGTACCTGACACCTCCTATAATACC
AAGTGTGCATCACCCACAGACACAAGTAATTTGACAGTTCCCTGA
GGACAACGATGAACCACCCACCTGATGACAACACTCAGGATGGGATATAGA
CTTCTAATGTATTCCTTACCTGCTTCTGCCTTGCTGAAGACAGCTT
TTTCTGAGACACAGCTGCCAGCAAACCTGAGGGAAAGAGAGAAGAGATTA
GTGCTCGGGGTACCATGATGCCTTGATCGATGCTGCTCCAGTAAC
ACAGTGGCATTAGGACTTATCGCTTAGATGACAATAGTGCTCTTACA
TGTTTCTGTTGAACCTAAAATAGCAGTTGACATGGTGGCCTGAAG
CAAAGCCTTCACCAGTAAAGAGATGTTCTATTGTTGCAATGACCT
TGCTTGCTCTGATTATAATTGAAAGACTGTAGGAAACACTTCAATG
TAGTATAAGAGTCTGTACCTGCTGGAATATTCAAGAAGATGAAAGAA
TAATATATTGGGTACAATAGATTACTATGGTACAGAAACTGGCTATT
CCCTTCTCAAGTGAAGGCTGTGGGATCTATTACAGCTGCAGGCCGG
TGTATATACCATAAAAAGAGGGACCACACATCTGTTGGTCACAGAGTT
CATGTCACACCAGTGCTAGAAGTTCATGATTATTCAGCAGTGC
CTGATGACAAGACTGAATGTTACCTTCTGACAGATTAAAA

Fig. 1 (continued)

ATTGATATGATAAAAGCACAACTGCTATAGATTCTGCTGAGACCTCTC
ATAGTAGGTATATGAGTTTCACAGAAGACTGAAAAATAATGCATG
ATATTGTTGTTTTTGATAAATTGGCATGACAGAGTGGGGAAAA
AAAGCAATTCACAAAACCATTTCATATTTTAAAATATTGTGCTAA
AGATGGCCTGGAAGTAAATGACTAGCAGCCAATTGGTTTACTTAAC
ATACCCTCAAACGTAGGGCTAAAGTATTCCCTTTATAAAAATAATG
CTTGGGGTAGGGTGGAGTGGGGAGGGATTAAAACCCATCCAAAAAATA
AATAAAAACATATAGGTGCTATGTATATCTTCATCTGTAAATGTCA
GTGTCTGAACAGCAACACAAATTCAAATCATTACGTGTAGCCAGAA
ACTCAAGCATTTCACTAAAGTTATTAAACCAACTCCTGTCCAATT
GACTTATACAACATAGTCAGTCTAGAGTTGAGAGACAAAGGTAATTAT
AAACCTATTGAACTAGCTTGTCTAGGCCTGAACCAAAAAACAA
CAAACAAACAAAAACAAGAATGAAAAACAGAAATAAAAGAAGTAGAA
AAGACAAAGAAAGAAAGCCAAAGTCAAAGTTGTTAATATTACAGGT
TTACCAGATCTGGAACATTACTTATTGAGGTAGAGAACAAACAAG
AACCTGGCCAGGTGTTGATTACCTTAGTGAATAAGCTGAGTCCATA
TACTTGTCTAACTAAGAAAGCAGTACAGAGGAAACAGGAACCTGATT
TTTTAAAATAAATTAAATAAAATAGAATTACTACAATTCTGCAAT
TTCATACTACCTAAAAAGACTAGATTGAAAATGTCAAGCTGATT
CTTTATTCACATGGAGAAAAGAATCCACAAATTAAACTGAGTCCTCA
CTGGCATGCCAGTTGACTATTAGCTGTCTAGTAAGTAACCCCG

Fig. 2**SEQ ID NO: 2**

MGTLRDLQYALQEKEIEELRQRDALIDELELELDQKDELIQKLQNELDK
YRSVIRPATQQAQKQSASTLQGEPRTRQAI SAEPTAFDIQDLSHVTL
PFYPKSPQSKDLIKEAILDNDFMKNLELSQIQEIVDCMYPVEYGKDSC
IIKEGDVGSLVYVMEDGKVEVTKEGVKLCTMGPVKVFGELAILYNCTR
TATVKTLVNVKLWAIDRQCFQTIMMRTGLIKHTEYMEFLKSVPTFQSL
PEEILSKLADVLEETHYENGEYIIRQGARGDTFFIISKGTVNVTREDS
PSEDPVFLRTLKGKGDWFGEKALQGEDVRTANVIAAEAVTCLVIDRDSF
KHLIGGLDDVSNKAYEAEAKAKYEAEAAFFANLKLSDFNIIDTLGVG
GFGRVELVQLKSEESKTFAMKILKKRHIVDTRQQEHIRSEKQIMQGAH
SDFIVRLYRTFKDSKYLYMLMEACLGELWTILRDRGSFEDSTTRFYT
ACVVEAFAYLHSKGIIYRDLKPENLILDHRYAKLVDFGFAKKIGFGK
KTWTFCGTPEYVAPEIILNKHDISADYWSLGILMYELLTGSPPFSGP
DPMKTYNIILRGIDMIEFPKKIAKNAANLIKLCRDNPSERLGNLKNG
VKDIQKHKWFEGFNWEGLRGTLTPPIIPSVASPTDTSNFDSFPEDND
EPPPDDNSGWDIDF

Fig. 3**SEQ ID NO: 3**

5' - agccgactactggtcactgg - 3'

Fig. 4**SEQ ID NO: 4**

5' - gatctgggcctgagaaaggt - 3'

Fig. 5**SEQ ID NO: 5**

5' - tgtatgaactcctgactggcagccc - 3'